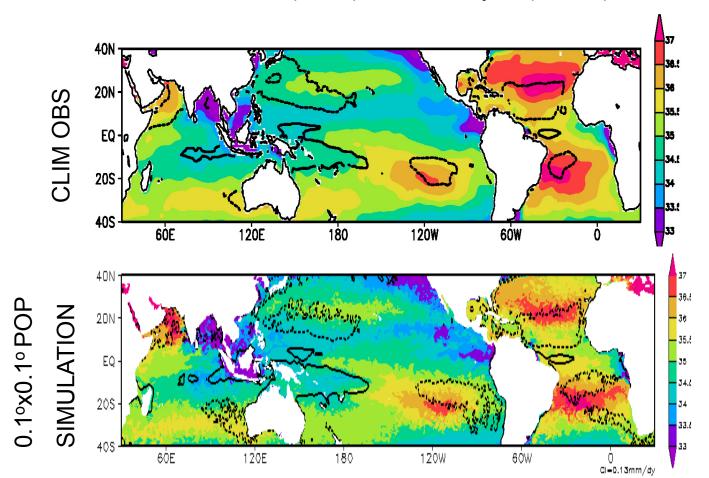
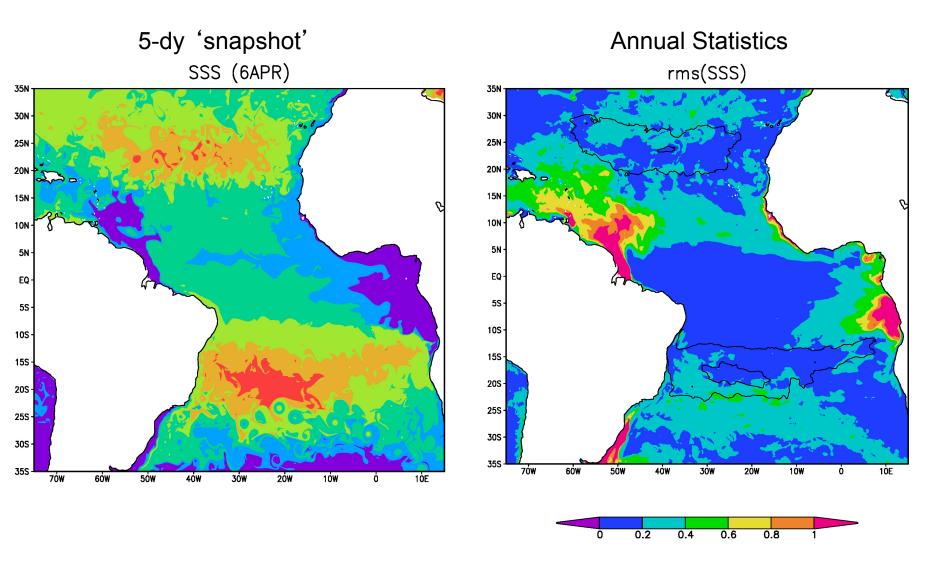
Global Eddy-Resolving Ocean Models

Jim Carton (UMD) & Frank Bryan (NCAR)



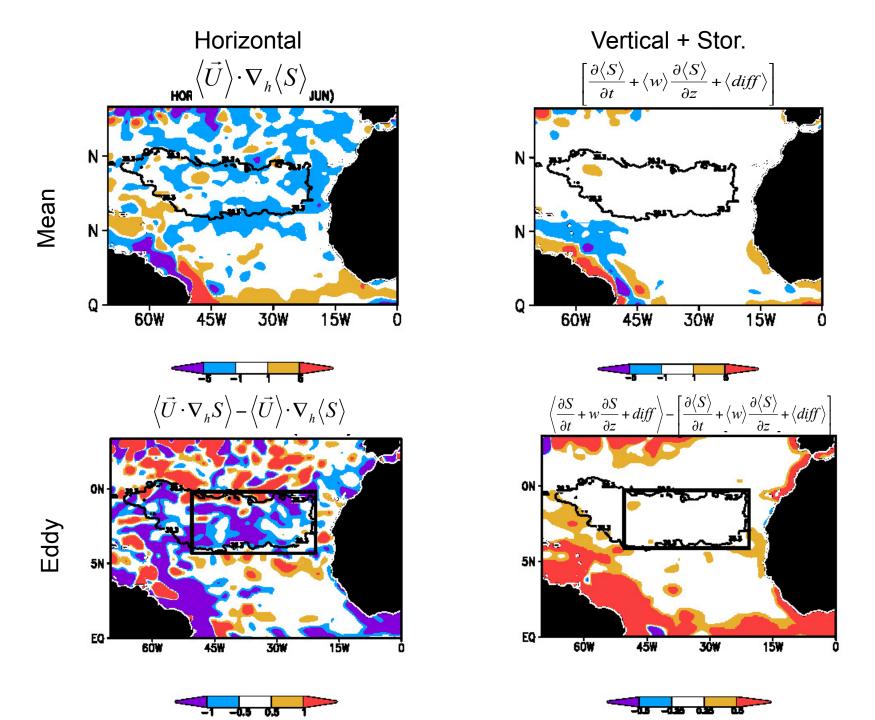
'standard year' forcing



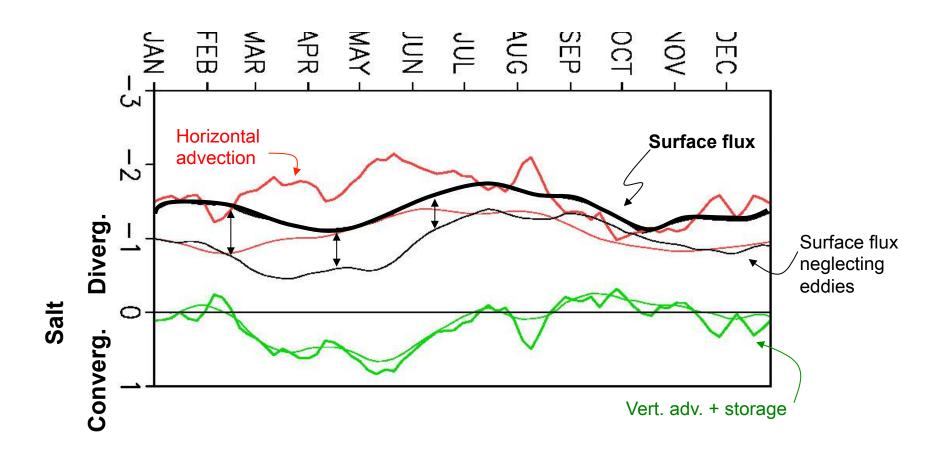
100m Salt budget

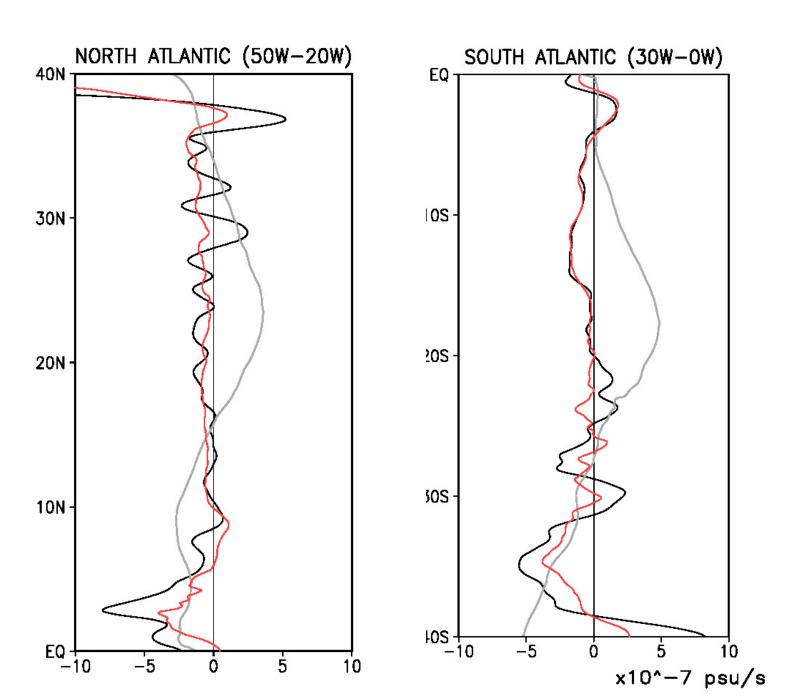
What is the eddy contribution to the salt budget in the subtropical North Atlantic?

How different is the balance in different subtropical oceans?

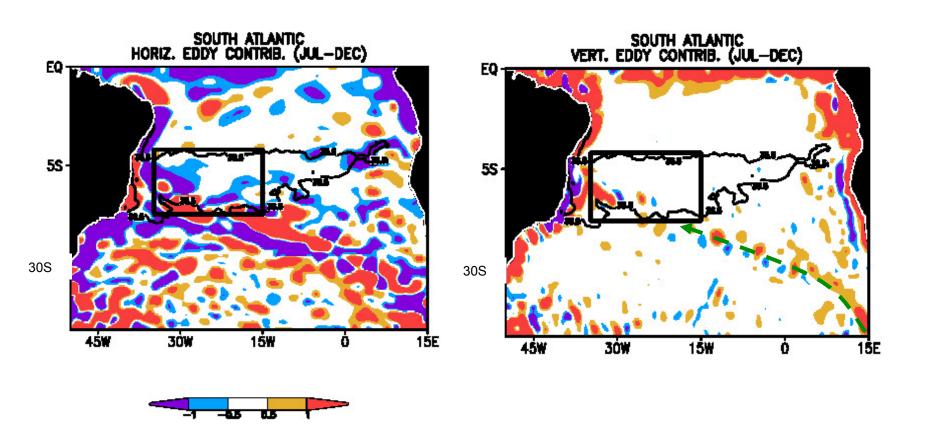


Box-averaged model salt balance in the North Atlantic

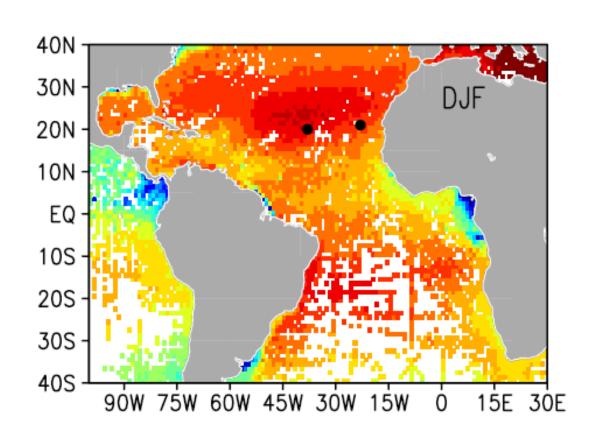




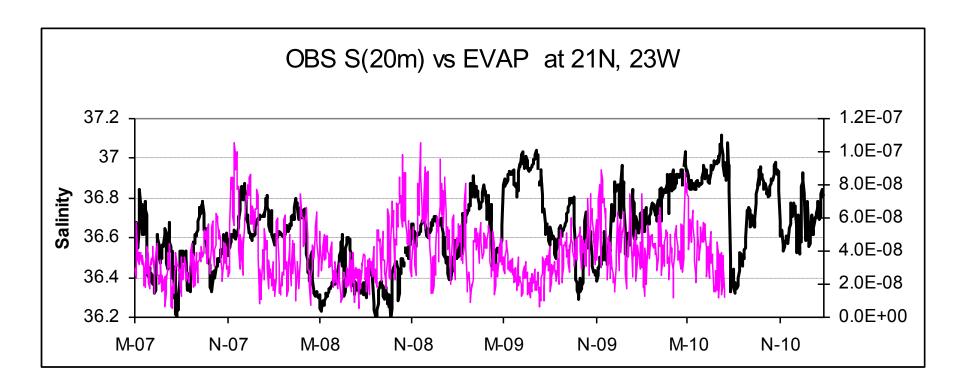
For Comparison: advection by eddies in the South Atlantic

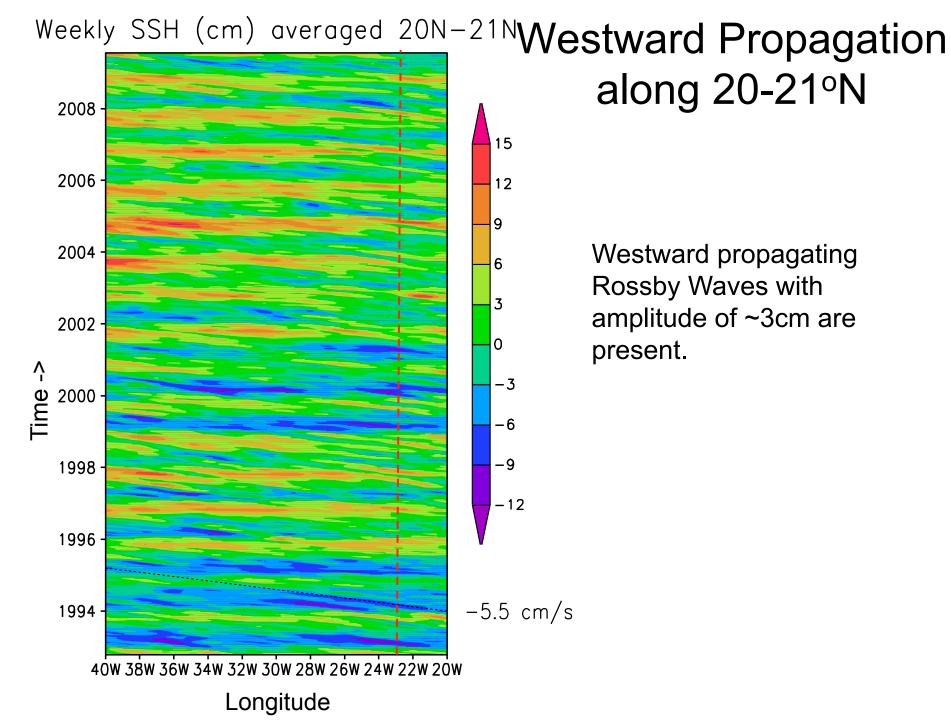


Comparison at PIRATA MOORINGS

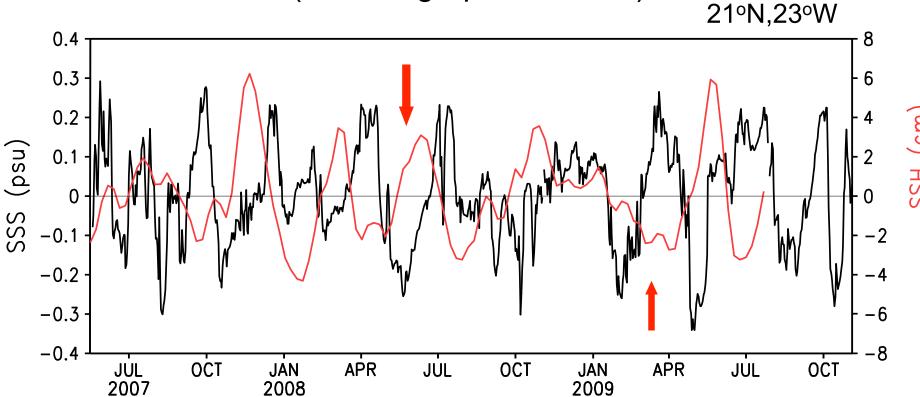


Time series at the eastern PIRATA mooring





(<6mo high-pass filtered)



How does mesoscale SSS variability contribute to the maintenance of the seasonal and mean 'Salty Pool' and its contribution to the shallow overturning cell?